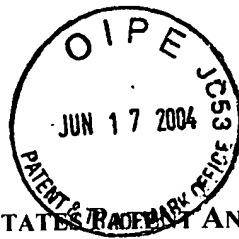


Attorney's Docket No. 09100.023



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: Jonathan BIGWOOD

Appl. No.: 09/994,345

Group Art Unit: 2681

Filed: November 26, 2001

Examiner: Duc M. Nguyen

For: A METHOD OF AND AN APPARATUS FOR MONITORING THE  
CONDITION OF BATTERIES USED BY MOBILE RADIO  
TELECOMMUNICATIONS FLEET

INFORMATION DISCLOSURE STATEMENT

**RECEIVED**

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

JUN 2 1 2004

Technology Center 2600

Sir:

Pursuant to Applicant's duty of disclosure under 37 C.F.R. §§1.56 and 1.97-1.99, the documents listed on the attached Form PTO-1449 are being brought to the attention of the Examiner in charge of the above-identified application and are enclosed herewith.

These documents were located during a prior art search, were cited during the prosecution of corresponding foreign applications, or are English equivalents of cited foreign language documents. None of these documents are believed to be material to the patentability of the present claims. Furthermore, after consideration of these documents, both the United Kingdom Patent Office and the European Patent Office deemed substantially identical claims to be patentable over these documents.

References 1, 3-27, 34-36, and 38-41 were located in a prior art search conducted prior to the drafting of the present application and the present claims are patentably distinguishable over these references. Reference 2 is a English language equivalent of French language reference 7. These references are directed to batteries, including the monitoring of the current condition of the battery and not to the presently claimed invention of transmitting battery condition information and a battery identifier over an air interface to a data store.

References 28-33 and 37 were cited in various United Kingdom and PCT search reports for the United Kingdom priority application No. GB 9820271.6, the corresponding PCT

application PCT/GB99/03078, and the corresponding United Kingdom application 9921986.7, copies of which are enclosed.

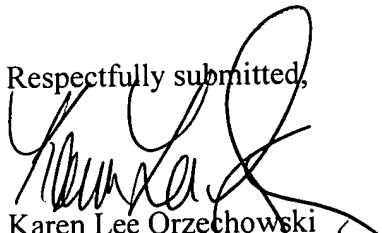
None of the references cited in these searches show the presently claimed invention of transmitting battery condition information and a battery identifier over an air interface to a data store. Although the references cited in the United Kingdom search report for the priority application were indicated as being relevant, the claims were of different scope from the present claims. In fact, the same references were deemed to be of general technical background in the corresponding United Kingdom application which had claims substantially identical to the presently allowed claims.

In accordance with the provisions of 37 CFR 1.97 (c) (2), this Information Disclosure Statement is being submitted prior to the mailing date of any final action, notice of allowance, or an action that otherwise closes prosecution in this matter and is accompanied by the fee set forth in 37 CFR 1.17 (p).

The Examiner is respectfully requested to cite the documents listed on the attached Form PTO-1449 in the next Office Action. In so doing, the Examiner is respectfully requested to initial in the space adjacent to the listing of each document on the Form PTO-1449, and return a copy of the initialed Form PTO-1449 with the next communication to Applicants, to confirm that these documents have been considered by the Examiner and made of record in this application.

Should there be any questions regarding this matter, please do not hesitate to contact the undersigned attorney of record.

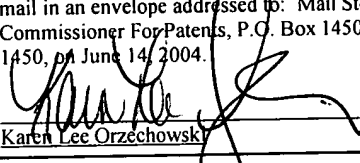
Respectfully submitted,

  
Karen Lee Orzechowski  
Registration No. 31,621

Date: June 14, 2004

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Information Disclosure Statement  
Application No. 09/994,301  
Filing Date: November 26, 2001  
Page 3 of 3

CERTIFICATION OF FACSIMILE TRANSMISSION	CERTIFICATE OF MAILING
<p>I hereby certify that this paper is being facsimile transmitted to the Patent and Trademark Office at Fax No. (703) 872-9306 on June 14, 2004.</p> <p>_____ Karen Lee Orzechowski</p>	<p>I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Mail Stop Amendment, Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on June 14, 2004.</p> <p> _____ Karen Lee Orzechowski</p>



Substitute for form 1449A/1449B <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)				<b>Complete if Known</b>				
				Application Number	09/994,301			
				Filing Date	November 26, 2001			
				First Named Inventor	Jonathan BIGWOOD et al.			
				Group Art Unit	2681			
Examiner Name	Duc M. Nguyen							
Sheet	1	of	3	Attorney Docket Number	09100.023			
<b>U.S. PATENT DOCUMENTS</b>								
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document Kind Code <sup>2</sup> (if known)		Name of Patentee or Applicant Of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages of Relevant Figures Appear		
	1	5,870,685		Flynn	02-09-1999	<b>RECEIVED</b> <b>JUN 21 2004</b> <b>Technology Center 2600</b>		
	2	5,546,317		Andrieu	08-13-1996			
	3	5,371,453		Fernandez	12-06-1994			
	4	5,298,346		Gyenes	03-29-1994			
<b>FOREIGN PATENT DOCUMENTS</b>								
Examiner Initials	Cite No.	Office <sup>3</sup>	Number <sup>4</sup>	Kind Code (if known) <sup>5</sup>	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	5	EP	0 673 103	A1	Ericsson Inc.	09-20-1995		
	6	EP	0 661 789	A2	Texas Instruments	07-05-1995		
	7	EP	0 623 828	A1	Alcatel	11-09-1994		
	8	EP	0 593 198	A1	Matsushita Electric	04-20-1994		
	9	EP	0 448 767	B1	Anton/Bauer, Inc.	10-02-1991		
	10	EP	0 448 755	B1	Anton/Bauer, Inc.	10-02-1991		
	11	JP	06/163083	A	Sharp Corp.	06-10-1994		
	12	JP	06/013111	A	Canon Inc.	01-21-1994		
	13	JP	05/315015	A	Matsushita Electric	11-26-1993		
	14	JP	05/315010	A	Matsushita Electric	11-26-1993		
	15	JP	05/290894	A	Sony Inc.	11-05-1993		
Examiner Signature						Date Considered		

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number.

<sup>2</sup> See attached Kinds of U.S. Patent Documents.

<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

<sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

<sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.



Substitute for form 1449A/PTO

Complete if Known

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet	2	of	3	Application Number	09/994,301
				Filing Date	November 26, 2001
				First Named Inventor	Jonathan BIGWOOD et al.
				Group Art Unit	2681
				Examiner Name	Duc M. Nguyen
				Attorney Docket Number	09100.023

**FOREIGN PATENT DOCUMENTS**

Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>10</sup>
		Office <sup>7</sup>	Number <sup>8</sup>	Kind Code (if known) <sup>9</sup>				
	16	JP	05/074501	A	Honda Motor Co Ltd	03-26-1993		
	17	JP	04/267077	A	Sony Corp	09-22-1992		
	18	JP	04/098769	A	NEC	03-31-1992		
	19	JP	04/087161	A	NEC	03-19-1992		
	20	JP	04/026076	A	Hino Motors Ltd	01-29-1992		
	21	JP	03/165471	A	Fujikura Ltd	07-17-1991		
	22	JP	03/163766	A	Matsushita Electric	07-15-1991		
	23	JP	03/155063	A	Sanyo Electric	07-03-1991		
	24	JP	03/149767	A	Casio Computer	06-26-1991		
	25	JP	01/059516	A	Sony Corp	03-07-1989		
	26	JP	01/059179	A	Sony Corp	03-06-1989		
	27	JP	61/029079	A	NEC	02-08-1986		
	28	JP	60/025465	A	Matsushita Electric	02-08-1985		
	29	WO	99/01918	A2	Estco Energy Inc.	01-14-1999		
	30	WO	98/26662	A2	Ericsson	06-18-1998		
	31	WO	98/10610	A1	Ericsson GE Mobile Inc.	03-12-1998		
	32	WO	97/33260	A1	Aspire Corporation	09-12-1997		
	33	WO	95/09512	A1	Nokia	04-06-1995		
Examiner Signature						Date Considered		

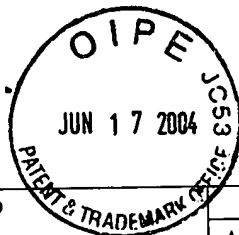
\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>7</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

<sup>8</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

<sup>9</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.

<sup>10</sup> Applicant is to place a check mark here if English language Translation is attached.



Substitute for form 1449A/PTO				<b>Complete if Known</b>				
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				Application Number		09/994,301		
				Filing Date		November 26, 2001		
				First Named Inventor		Jonathan BIGWOOD et al.		
				Group Art Unit		2681		
				Examiner Name		Duc M. Nguyen		
Sheet	3	of	3	Attorney Docket Number		09100.023		
<b>FOREIGN PATENT DOCUMENTS</b>								
Examiner Initials	Cite No.	Foreign Patent Document Office <sup>11</sup> Number <sup>12</sup> Kind Code (if known) <sup>13</sup>			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>14</sup>
	34	WO	94/000888	A1	The Technology Partner.	01-06-1994		
	35	WO	92/022099	A1	Motorola	12-10-1992		
	36	WO	90/015450	A1	Amoco	12-13-1990		
<b>NON PATENT LITERATURE DOCUMENTS</b>								
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.						T
	37	WADE, M. et al., "Monitoring battery performance in remote-area power-supply (RAPS) systems", <u>Journal of Power Sources</u> , September 1991, Vol. 35, No. 4, pages 421-430						
	38	"Smarter than the average battery", <u>New Electronics</u> , 8 August 1995, pages 43-44						
	39	"Battery Pack with the Memory for its Capacity", <u>IBM Technical Disclosure Bulletin</u> , May 1993, Vol. 36, No. 05, pages 183-814						
	40	TAYLOR, H. et al., "Standard Smart Batteries for Consumer Applications", <u>Proceedings of the Tenth Annual Battery Conference on Applications and Advances</u> , January 10-13, 1995, page 183						
	41	DILIP, S. et al., "Advanced Algorithms & Hardware for Intelligent Batteries", <u>Proceedings of the Tenth Annual Battery Conference on Applications and Advances</u> , January 10-13, 1995, pages 177-182						
Examiner Signature					Date Considered			

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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<sup>14</sup> Applicant is to place a check mark here if English language Translation is attached.